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Ruth Saskowski



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Asim DASGUPTA et al.

Serial No.: 10/087,171

Filing Date: 01 March 2002

For: METHOD TO IDENTIFY IRES  
ELEMENTS

Examiner: To be assigned

Group Art Unit: 1645

SUBMISSION OF FORMAL DRAWINGS

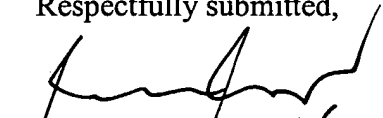
BOX MISSING PARTS  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Enclosed are 11 sheets of formal drawings in connection with the above-identified application.

Respectfully submitted,

Dated: July 29, 2002

By:   
BRUCE GRANT (47,600) For:

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Registration No. (29,959)

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|          |    |          |
|----------|----|----------|
| APPROVED | BY | SUBCLASS |
|          |    |          |

Title: METHOD TO IDENTIFY IRES ELEMENTS  
 Inventors: Asim DASGUPTA, et al.  
 Application No.: 10/087,171  
 Docket No.: 220002063600

Sheet 1 of 11

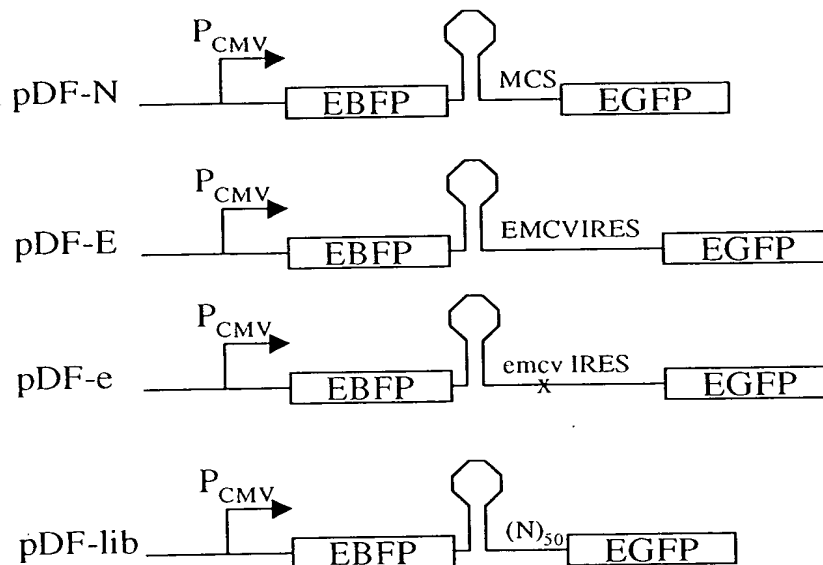


Figure 1A



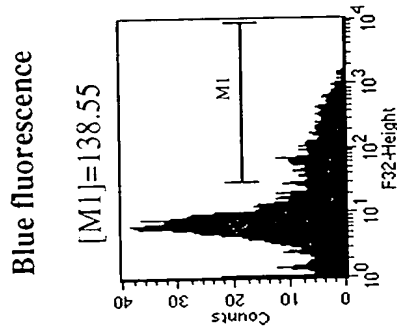


Figure 1B-3

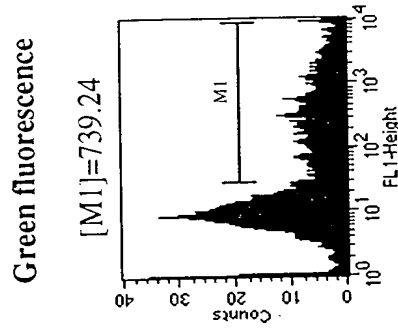


Figure 1B-2

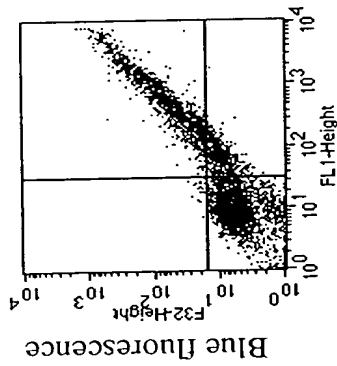


Figure 1B-1

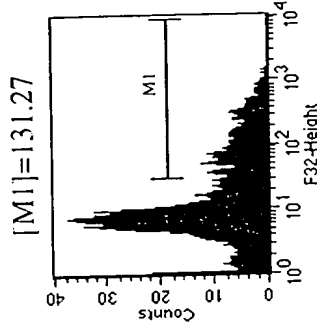


Figure 1B-6

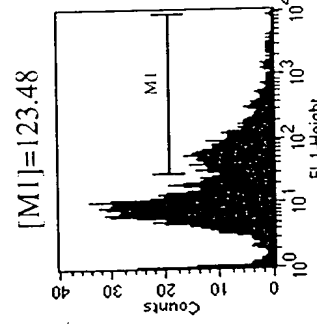


Figure 1B-5

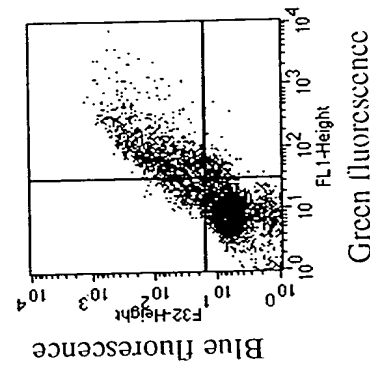


Figure 1B-4

PDF-E

PDF-e



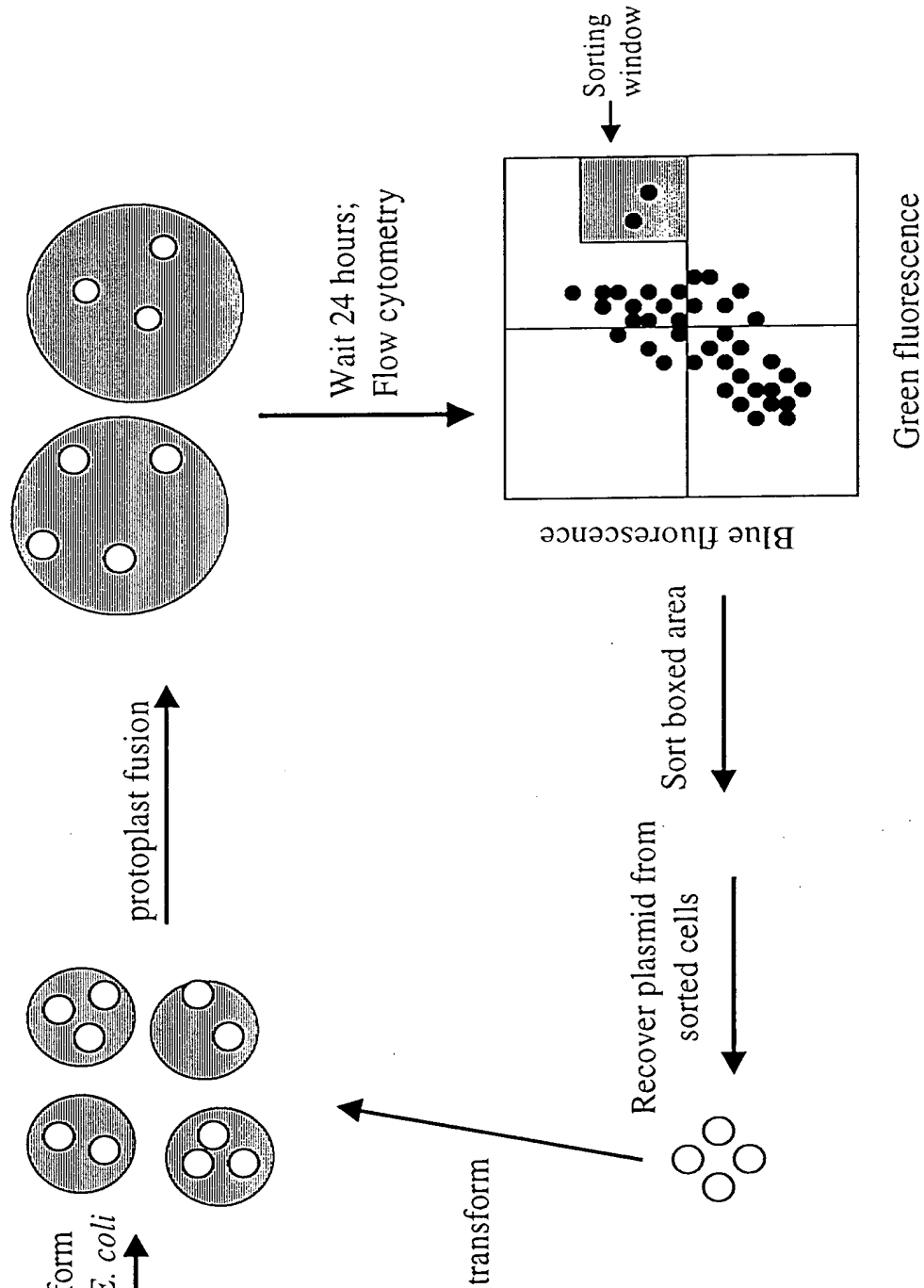
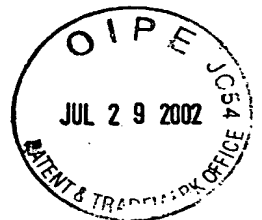


Figure 2A



Positive Selection  
(for pDF-E)  
after 3 rounds



Figure 2B-3

Negative Selection  
(for pDF-e)  
after 3 rounds

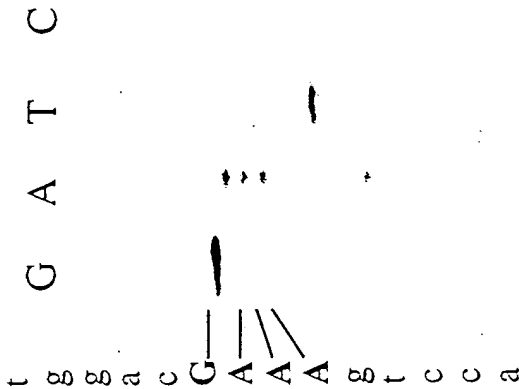


Figure 2B-2

Input Pool  
pDF-e:pDF-E  
AAAG:GCGA  
10000:1

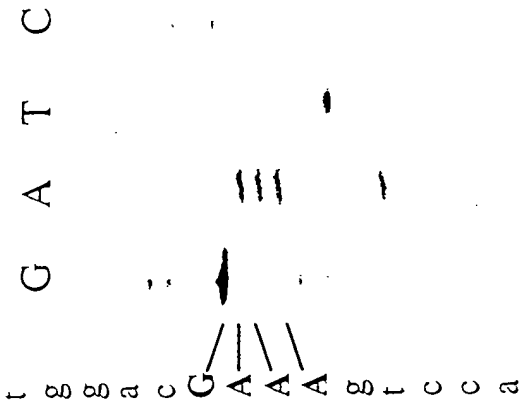


Figure 2B-1

Name      Sequence (SEQ ID NOS: 1-5)

PS1      5' CACAGTACgTAAGCTTAAGCTAAGCgTAGATAAGggTATATTTTgCg 3'  
PS2      5' gAAATAgCTATCCTCCATCAGTgCACCCgAgACTACggTTgCgTgTCgT 3'  
PS3      5' TgACAAACTgTACATgCCgTTAACTgTAATTTTgCgTgATTTTgTAG 3'  
PS4      5' AggTggTAGCCgCAAACATAgTTCAATACAAACTTgCTgTCTCggCgg 3'  
PS5      5' AggCAGTATAATCAGTTCCACATAgAAAACCAggACTgTATCAAAgTgT 3'

Figure 2C



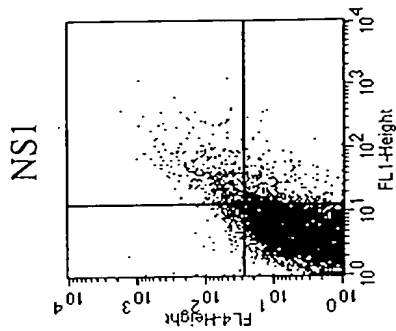


Figure 3D

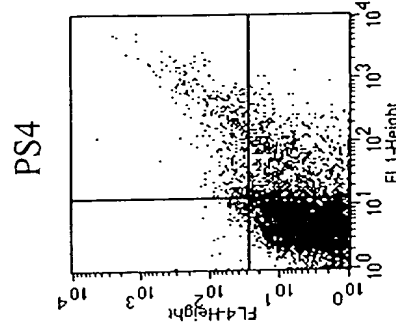


Figure 3H

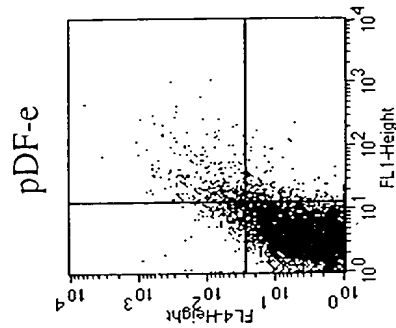


Figure 3C

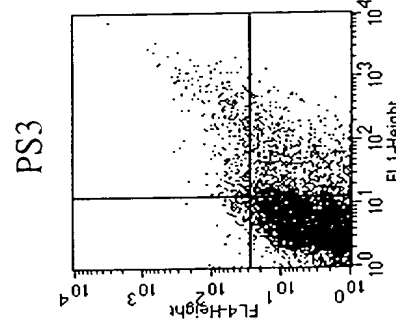


Figure 3G

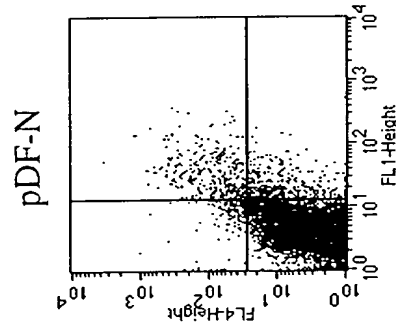


Figure 3B

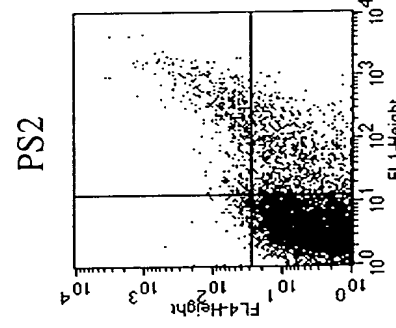


Figure 3F

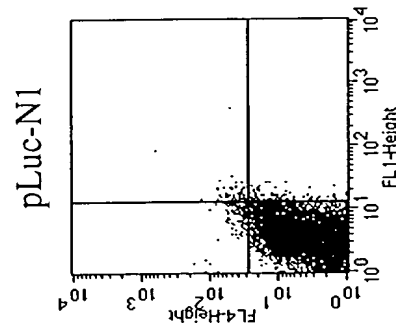


Figure 3A

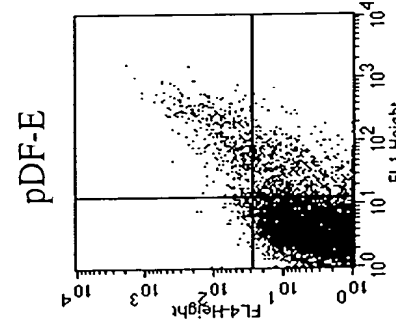


Figure 3E

BLUE FLUORESCENCE

GREEN FLUORESCENCE



Title: METHOD TO IDENTIFY IRES ELEMENTS

Inventors: Asim DASGUPTA, et al.

Application No.: 10/087,171

Docket No.: 220002063600

Sheet 7 of 11

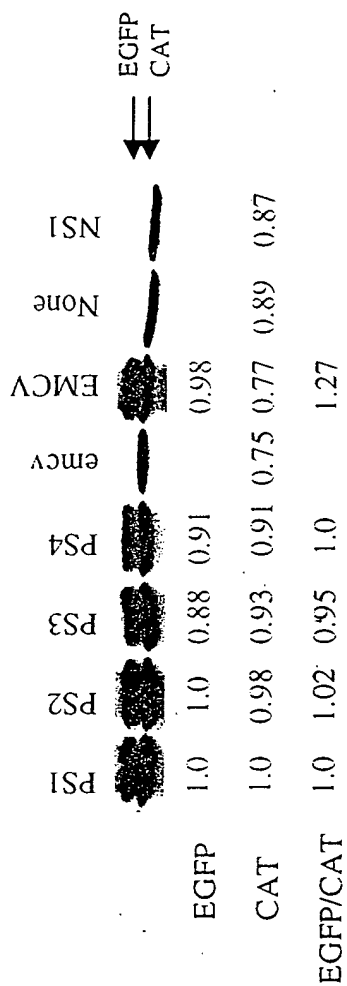


Figure 4A

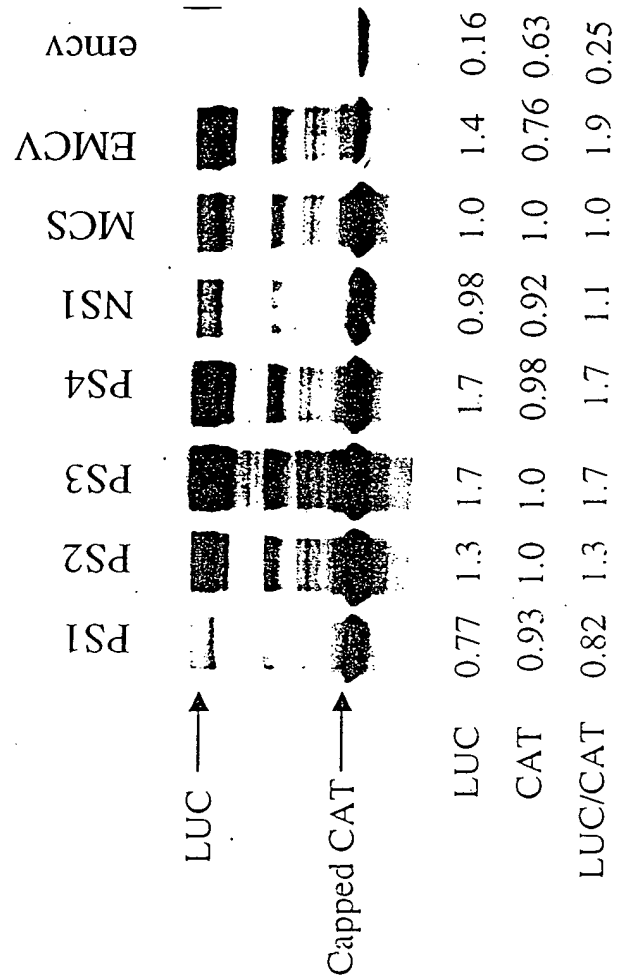


Figure 4B



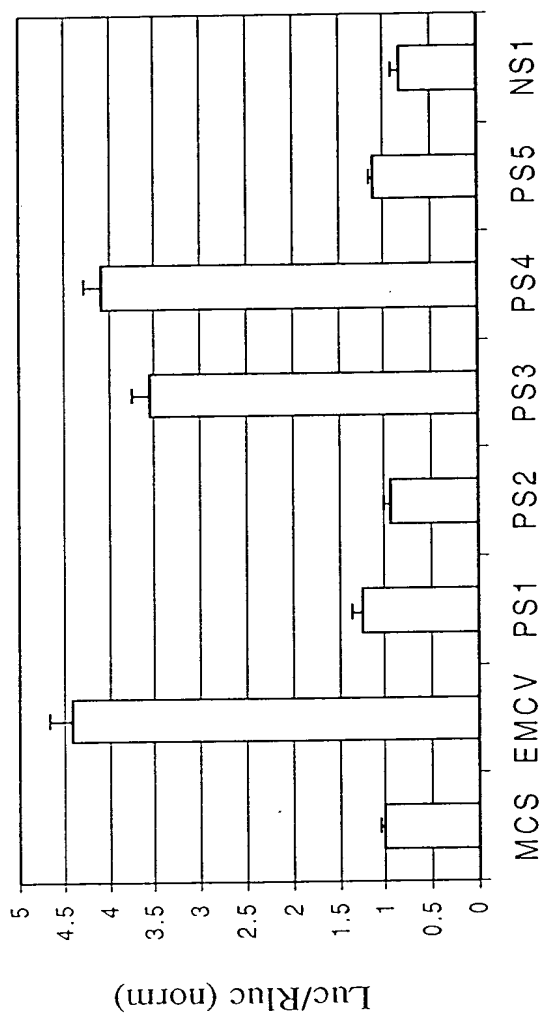


Figure 4C



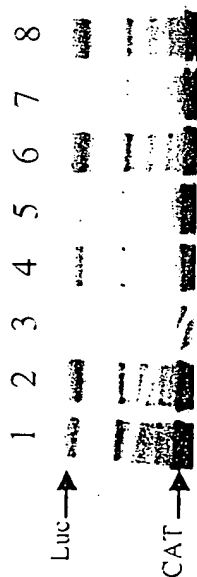


Figure 5A

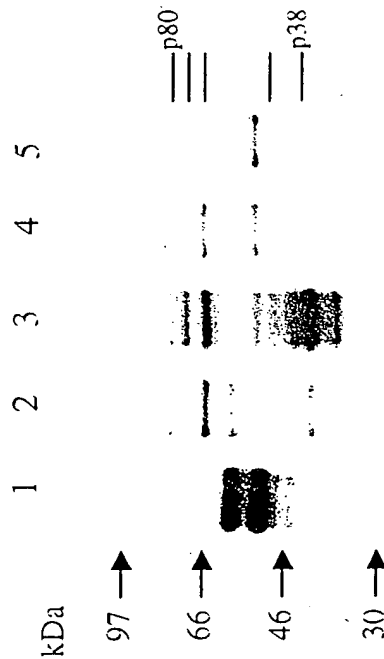


Figure 5B

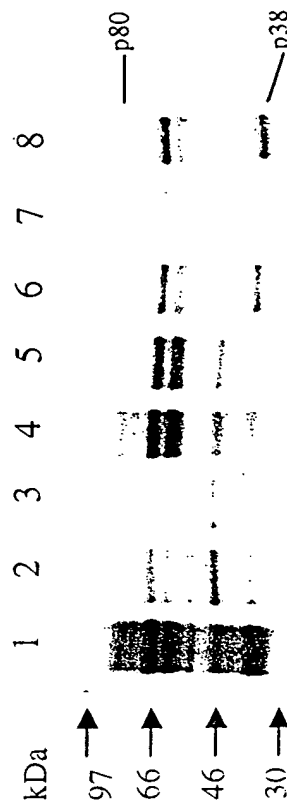
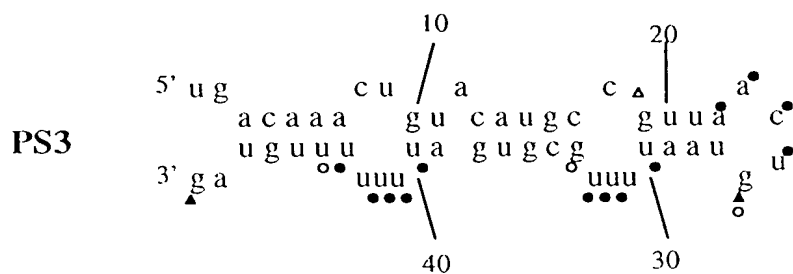
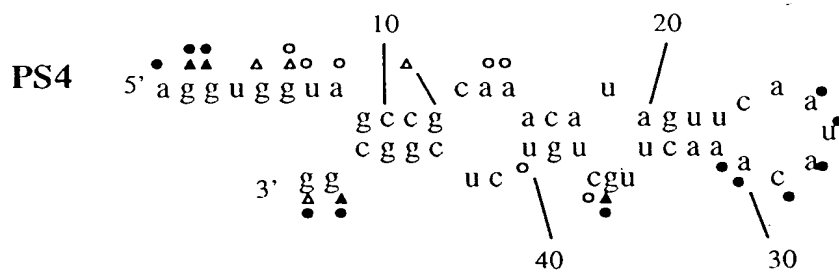


Figure 5C





**Figure 6A**



**Figure 6B**

